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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Michael R. Krames; Mihail M. Sigalas; Jonathan J. Wierer-Jr.
Assignee: Lumileds Lighting U.S., LLC
Title: LED Efficiency Using Photonic Crystal Structure
Serial No.: 10/059,588 Filing Date: January 28, 2002
Examiner: Douglas A. Wille Group Art Unit: 2814
Docket No.: M-11547 US
(LUM-M-11547 US)

San Jose, California
November 22, 2004

Mail Stop Amendment
Commissioner for Patents
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Serial No. 10/059,588

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Complete if Known

Application Number	10/059,588
Filing Date	January 28, 2002
First Named Inventor	Michael R. Krames
Art Unit	2814
Examiner Name	Douglas A. Wille
Attorney Docket Number	M-11547 US

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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